

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GR2004/000052

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F01B9/06 F01L1/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F01B F01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/043225 A1 (BABINGTON ALAN ROGER) 18 April 2002 (2002-04-18) presumably incorrectly cited in description as US0020043225 figure 9	1-3,5
X	----- US 4 301 776 A (FLEMING JOSEPH W) 24 November 1981 (1981-11-24) column 4, line 55 - column 6, line 49; figure 1	1-3,5
X	----- GB 412 888 A (EMILE DASSET) 5 July 1934 (1934-07-05) page 2, line 121 - page 5, line 15; figure 2 ----- -/--	1-3,5

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

3 January 2005

Date of mailing of the international search report

31.03.2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 276 774 A (JOHN BRYANT) 8 September 1927 (1927-09-08) page 3, line 38 - line 103; figure 1 -----	1-3,5
X	GB 435 750 A (MAX SCHUL; FERNAND RADELET) 26 September 1935 (1935-09-26) page 1, line 89 - page 2, line 66; figure 1 -----	1-3,5

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-3, 5

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2,3,5

Motion conversion mechanism having a cam curve characterised
by a particular formula

2. claim: 4

Motion conversion mechanism in which the reciprocating
member is guided in a particular manner

3. claim: 6

Motion conversion mechanism having two complementary cams
arranged in a particular manner

4. claim: 7

Motion conversion mechanism having a grooved cam and a
particular cam follower

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002043225	A1	18-04-2002	
		AU 4630799 A	17-01-2000
		CN 1114054 C	09-07-2003
		DE 69902912 D1	17-10-2002
		DE 69902912 T2	15-05-2003
		EA 2555 B1	27-06-2002
		EP 1090236 A1	11-04-2001
		ES 2181452 T3	16-02-2003
		GB 2340201 A	16-02-2000
		WO 0000757 A1	06-01-2000
		JP 2002519601 T	02-07-2002
		US 6349694 B1	26-02-2002
US 4301776	A	24-11-1981	
		DE 3020923 A1	18-12-1980
		GB 2064050 A ,B	10-06-1981
		JP 55163313 A	19-12-1980
GB 412888	A	05-07-1934	NONE
GB 276774	A	08-09-1927	NONE
GB 435750	A	26-09-1935	NONE